

# MODEL B2

## PUMP CONTROLLER

**AT LAST....** A controller designed to accurately, simply and economically operate solenoid-controlled AODD pumps in a *Batching Mode*. The Polytrace Model B2™ has all the features you've been looking for in one compact unit.

**SIMPLICITY..** All variables are set using the external keypad and there are no multiple-screens to deal with. The keypad is always available for selection of any of the three "batches" available or the "Constant Run" mode as well as programming system values. The unit provides the 12 volts DC needed to operate the pump from the controller's internal power supply.

**SMART DESIGN..** The pump speed is variable over any value in the range of 0.1 to 3600 Seconds/Stroke. The user determines the number of strokes in a batch, the number of batches in a program and the time interval between batches. It's intuitively easy to use and easy to "dial in" to the right values. The NEMA 4X enclosure can be mounted with hand tools and the unit is available in two versions, 120 volts AC or 220-240 volts AC.

**VERSATILE..** The unit can be paused or stopped remotely. External "Kill" switches can be included for safety.

**JOG...** There are times when you might need to operate the pump outside the "Batch" mode. Maybe to prime the pump or to purge it or to top off a batch

If you need to run the pump outside a batch, simply switch "Constant" and then press "Run". The system will operate the pump at a speed you've pre-set.

**SELF-CONTAINED...** Everything you need to run a solenoid-controlled AODD pump is in this system except the air. It monitors, calculates, supplies and switches power. All you need to do is determine the number of strokes, the number of batches and the interval between them and the system takes over. No time or setup expenses are need to get optimal results. Even the internal circuit-breaker for the solenoid output is self-resetting. If you need to talk to somebody about a technical matter, we understand both electronics/instrumentation and pumps/piping.

**SAFETY...** The system operates the pump using low voltage and is designed to be failsafe in every likely scenario. The external control design permits the addition of panic buttons and automatic shutoffs as well. The output to the solenoid is even circuit-breaker protected.

**NNN...** No Nerds Needed. Anybody can program and run this system. Its interface is very intuitive and its operation is simplicity itself. If you've programmed an FCSII, you already know how to program the Model B2. If you need to operate a solenoid-controlled pump to do batching, this system is the solution. Polytrace Systems has been designing and building process instruments for two decades and has engineered this as the right product for you.



**POLYTRACE SYSTEMS INC**

DIMENSIONS: 6-3/4" H x 4-3/4" W X 2-1/4" D

ENCLOSURE CONSTRUCTION: NEMA 4X with sealing gland for cable and boot for switch

WEIGHT: 1-1/2 Pounds

POWER CONSUMPTION: 12 Watts

VOLTAGE REQUIREMENTS: 120 VAC (**Model B2-110**) or 220-240 VAC (**Model B2-220**)

VOLTAGE OUPUT (TO SOLENOID): 12 VDC 750 ma MAXIMUM

The Pump Solenoid must operate on 12 volts DC.

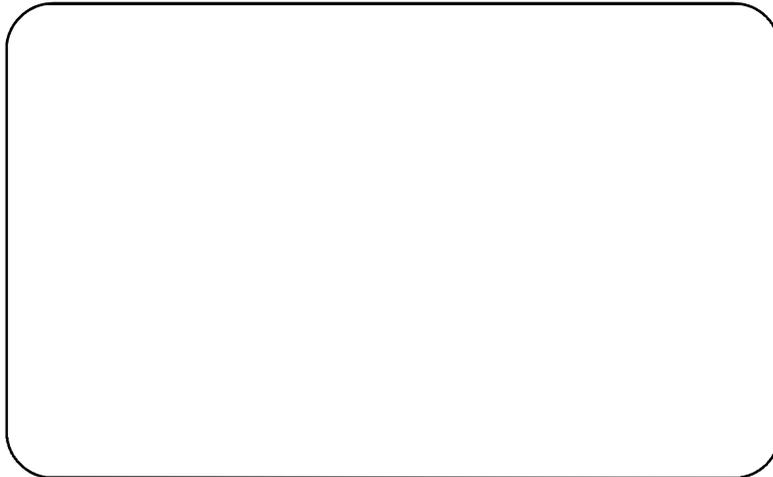
OPERATING TEMPERATURE RANGE: 40F to 100F

SPEED RANGE: 0.1 to 3600 Seconds/Stroke

NUMBER OF BATCHES: Three totally separate settings plus a "Constant Run" preset.

We will be happy to address any technical questions you may have. Please ask your local distributor and we'll see to it that you quickly receive the information.

YOUR LOCAL POLYTRACE SYSTEMS DISTRIBUTOR



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